FUJIFILM

FUJI COMPUTED RADIOGRAPHY

CR Console

NETWORK IMAGE SEARCH SOFTWARE
OPERATION MANUAL

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FUJI PHOTO FILM CO., LTD.

TOKYO 106-8620

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CONTENTS

INTRODUCTION _____ 3

OVERVIEW _____ 4

OPERATION PROCEDURES _____ 5

- Starting and leaving the Network Image Search Software..... 5
- Using the Network Image Search Software 7
- Outputting images resultant of searching 11

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INTRODUCTION

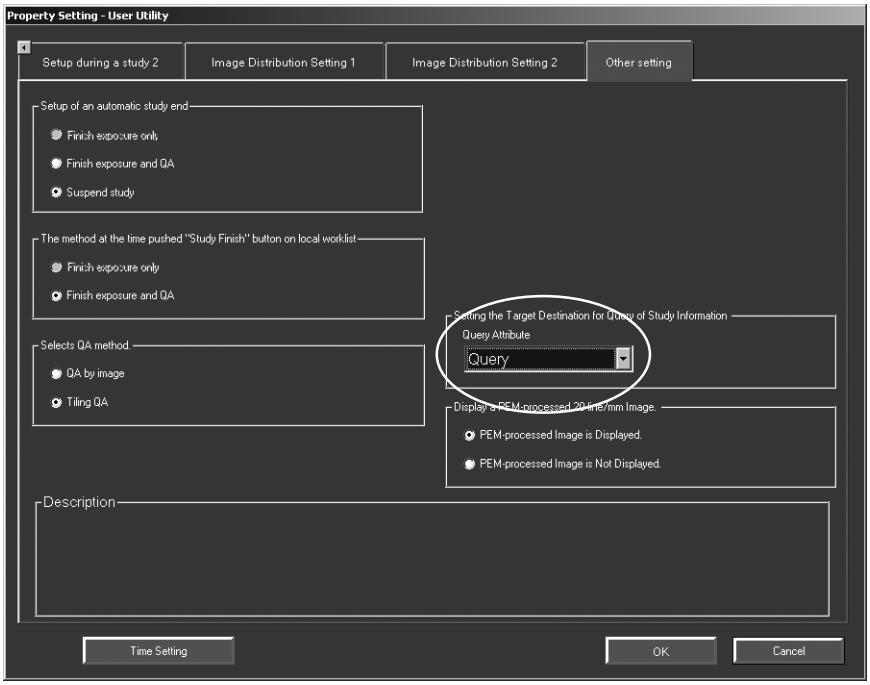
This Operation Manual describes functions and operation procedures of the Network Image Search Software that is optionally available on the CR Console. For other functions and operation procedures, see the "CR Console OPERATION MANUAL", "CR Console OPERATION MANUAL - THE USER UTILITY OPERATIONS" and "Operation Manuals" of other optional software items.

The Network Image Search Software offers an optional function of the CR Console. To use this software, optional software must be installed and necessary settings performed accordingly beforehand by a FujiFilm-designated dealer.

OVERVIEW

The Network Image Search Software is provided so as to offer an optional function of the CR Console. Using any item as a key element, this software enables search of images from storage devices or workstations connected to the CR Console and then printout of those images on film.

A storage device to be selected immediately after startup of this software can be determined by User Utility.
Select “Property Setting” in User Utility and then “Other setting”. After the Network Image Search Software has been started, use “Setting the Target Destination for Query of Study Information” to select a storage device and then click “OK”.



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OPERATION PROCEDURES

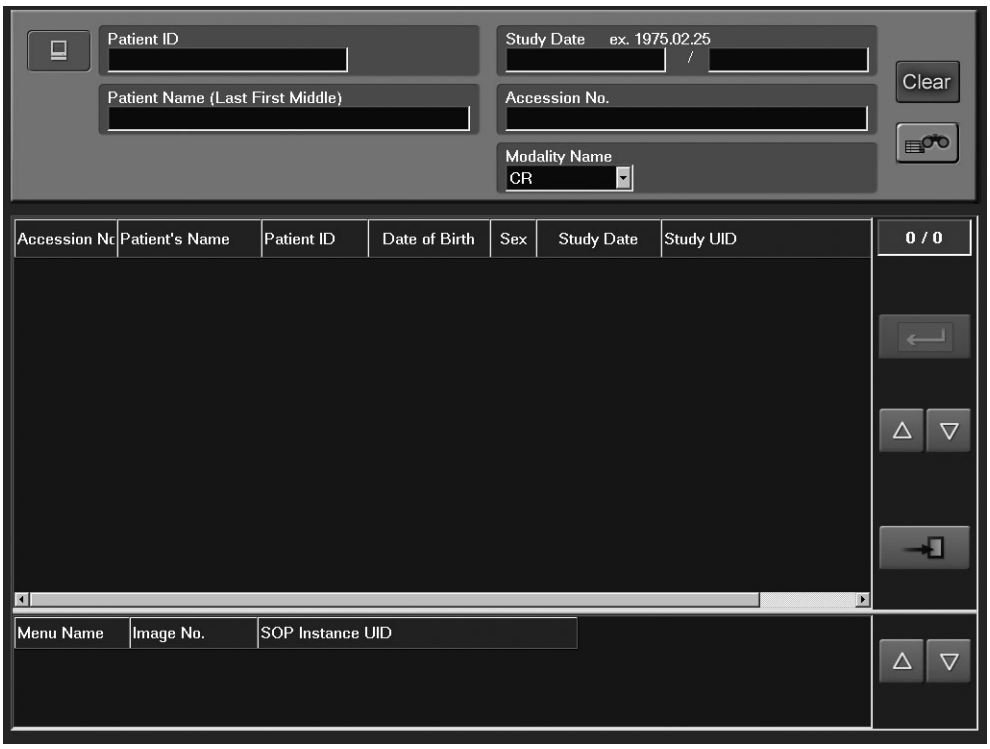
Described herein are the software operation procedures used to searching desired images and printing them on film.

■ Starting and leaving the Network Image Search Software

(1) Starting the Network Image Search Software

Select “All” and then .

The search window opens.



(2) Leaving the Network Image Search Software

Select on the search window.
Shut down the search window to return to the CR Console window.

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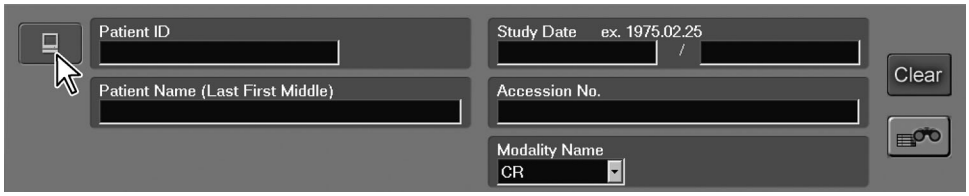
■ Using the Network Image Search Software

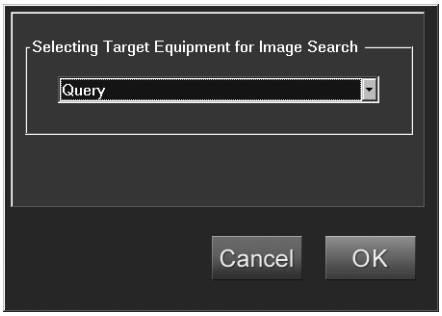
To enable the use of this software, input items for search conditions on the search window to find studies that match those conditions, and hit results will then be listed accordingly.

(1) Selecting a storage device targeted for searching

Select .



A window opens where a storage device targeted for searching is to be selected.
When “Setting the Target Destination for Query of Study Information” has been determined by User Utility, the search target determined by User Utility will be displayed as a storage device to be selected immediately after startup of this software.



Select a device to be searched for from the pull-down menu and then select OK.
To cancel the selected device to return to the search window, select Cancel.

(2) Inputting search conditions

Based on the following items used as key elements, you can search for and list study information and images stored on a storage device.

Patient ID: Input any patient ID. Study information items hit as a result of searching will then be displayed in a list form.
Use single-byte alphanumerics to input patient IDs. Note that "@" and " ' " (single quotation mark) are not allowed to input.

Patient Name: Input any patient name. Study information items hit as a result of searching will then be displayed in a list form.
Use single-byte alphanumerics to input patient names. You cannot use double-byte characters to input patient names. Also, "@" and " ' " (single quotation mark) are not allowed to input.
To facilitate searching of necessary study information, spaces can be used to divide a patient name into surname, given name and middle name.
For example, when a study is stored in a storage device, with "Fuji" and "Tarou" for the surname and given name, respectively, you can search for necessary study information easily by inputting " Fuji[]Tarou " ([] represents a space).

Study Date: Input any date before and after "/". Input start date of a specified period in the input box before "/" and last date of the same period in the input box after "/". Study information items for the specified period, hit as a result of searching, will then be displayed in a list form.
The start or last date of the specified period can be omitted as necessary. For example, when no date was input after "/" though "2005.05.01" was input before "/", you can search for all studies from May 1, 2005 to the date on which the study is actually performed.

Accession No.: Input any study number. Study information items hit as a result of searching will then be displayed in a list form.
Use single-byte alphanumerics to input study numbers. Note that "@" and " ' " (single quotation mark) are not allowed to use.

Modality Name: "CR" is displayed.

- **Fuzzy searching (wildcard searching)**

  Fuzzy searching (wildcard searching) is possible by specifying "*" and "?" for conditions used to searching patient IDs, patient names and study numbers. "*" searches for any character string of more than 0 digit and "?" for any one character.
  For example, if you wish to perform overall search of study information that includes patient IDs whose first five characters starting with "2003f" (such as "2003f101", "2003fabc", "2003f7", and others), input "2003f*" for the patient ID.
  Moreover, when you are searching for study information that includes patient IDs consisting, for instance, of six characters and whose first five characters starting with "2003f" (such as "2003f7", "2003Fa", and others), input "2003f?" for the patient ID.

Useful tips for quick searching

When the key character string for study information to be searched for is not clearly determined or for a search with a patient name used for the key element, fuzzy searching will facilitate you to find desired studies easily.
Desired studies can be queried efficiently if fuzzy searching is used to locate much more information so that such target studies are found based on the search result list.

- **Searching according to combined search conditions**

  Only a single necessary item can be specified for search condition, and also multiple items can be used combined for the same purpose.
  For example, if you wish to search for all studies performed on May 1, 2005 (taking a CR as the used modality), input "2005.05.01" in the input boxes both before and after "/" of the Study Date.
  In addition, if you wish to search for study information of a patient with the patient ID of "2003f11001" (taking a CR as the used modality) from among studies performed between May 1 and May 4, 2005, input "2003f11001" in the input box of the "Study ID" and "2005.05.01" in the input box before "/" of the Study Date and "2005.05.04" in the input box after it.

NOTE

- It is not allowed to use information read on the BCR (Barcode Reader) or MCR (Magnetic Card Reader), instead of using information input on the keyboard.

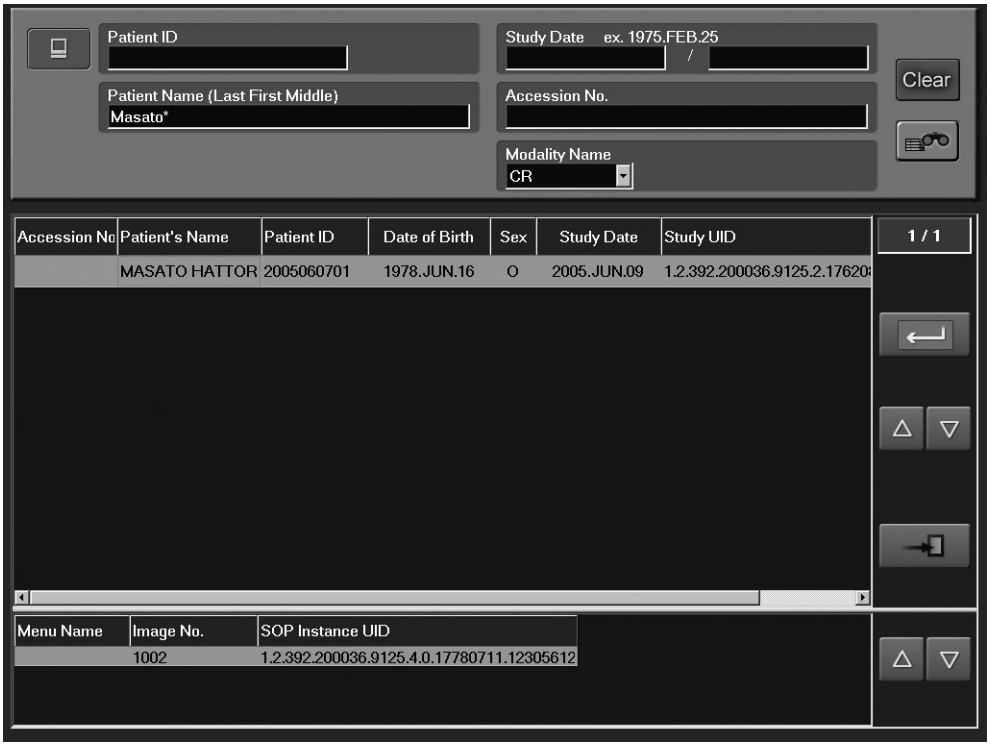
(3) Deleting search conditions

Selecting Clear will delete all search conditions, enabling you to re-input new search conditions.

(4) Starting search processing

Input search conditions and then select .

A message saying that “Study Information Search is in Process. Wait for a While.” will appear. A list of search results will then open.



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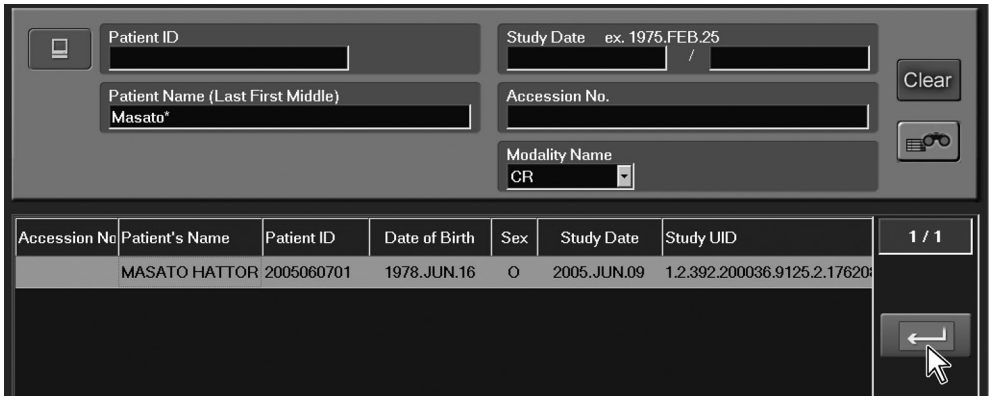
■ Outputting images resultant of searching

You can select any studies from the list of search results for the purpose of verifying images. Moreover, it is possible for you to distribute images to specified devices to store them in those devices or output on film.

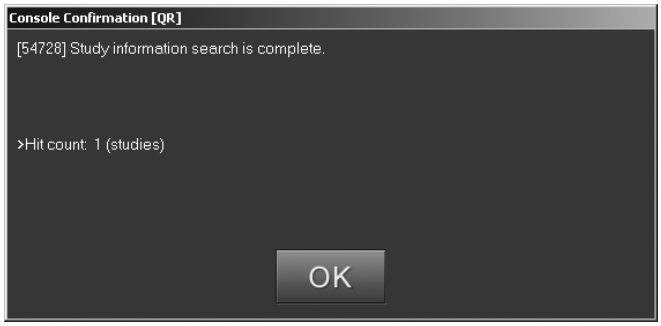
(1) Selecting any studies from search results to verifying images

From the list of search results, select studies you wish to verify images and click .

If one same screen does not accommodate all search results at a time, click △ or ▽ to scroll up/down the list.



When a message window like that shown below opens, click OK.



A study image selected from the list of search results will be displayed on the window where images are to be verified.

Using a selected item name as a key element, it is possible to relocate listed items of search results according to ascending or descending order. Note, however, that searching or narrowing or relocating by the following methods, which can be performed on other lists, are not possible.

- Sorting using a dialog that determines order of sorting.
- Searching by narrowing down the listed information items.
- Alternately changing between showing and unshowing displayed items, as well as relocating order of display.

NOTE

- When a standard image, converted from a high-density image and filed (stored) in a storage device or the like, is printed after it has been read on the CR Console, there are cases where the margins of the image appear white (or black).
- When a stitched life-size image, resulting from a long-view exposure, is printed from an image storage (filing) device after it has been read on the CR Console, density of the areas where images are stitched with each other can be different from that of the original image (before storage).
- If search results include images output via other companies' terminals, those images cannot be acquired nor displayed. This is because such image sizes are not supported. In such cases, a message like that shown below appears.
  "The study you wish to acquire does not include information necessary for you to verify images. Processing to acquire the study cannot be continued."

On this window, you can specify destination for image output, film format and the number of output films. In addition, you can also reserve/cancel image distribution and specify urgent image output processing.

NOTES

- When a study result was transmitted to the storage device so that it is stored there appropriately, do not delete the related exposure menu, that was actually used for the study, on the terminal where you are now acquiring the images.
- If the acquired study images do not include exposure menu information, the default exposure menu determined by the system will be used. In such a case, "UNKNOWN" will be displayed for the menu name because different image processing conditions apply from when it is stored on the server.

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(2) Selecting destination for image output

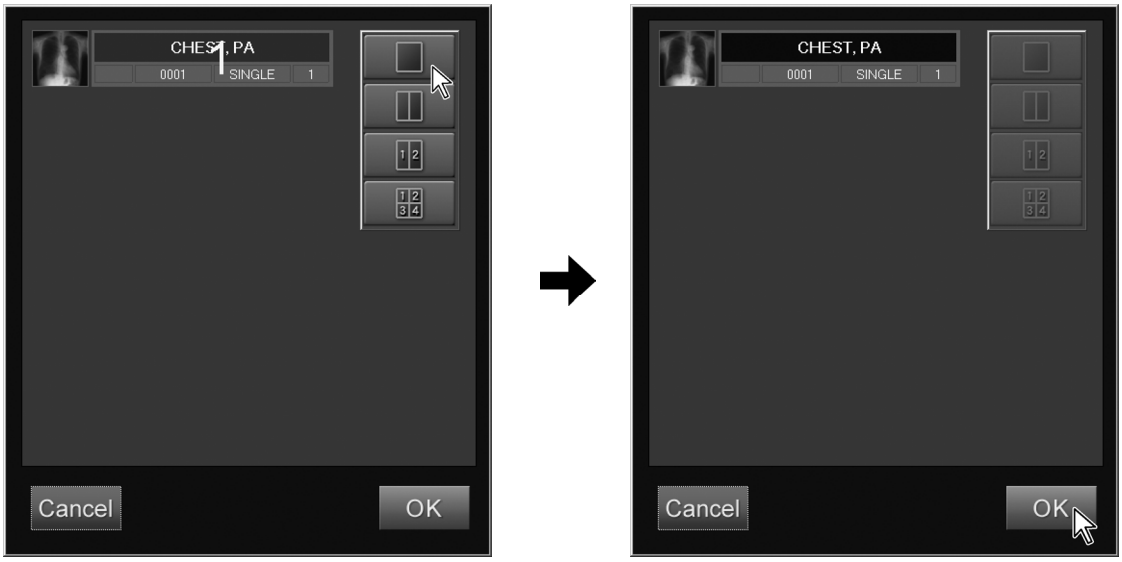
Select a destination for image distribution (printout) from the pull-down menu below that displays a thumbnail image.

To change the number of output films, use − and + buttons located at the right side of the destination for image distribution.
As the default, it has been set to one.

(3) Setting the film format

Click .

A window opens where a film format is to be set up.
Specify images consecutively following a format to be selected and then select the film format.
Make sure that a desired film format has been set up accordingly and click OK.



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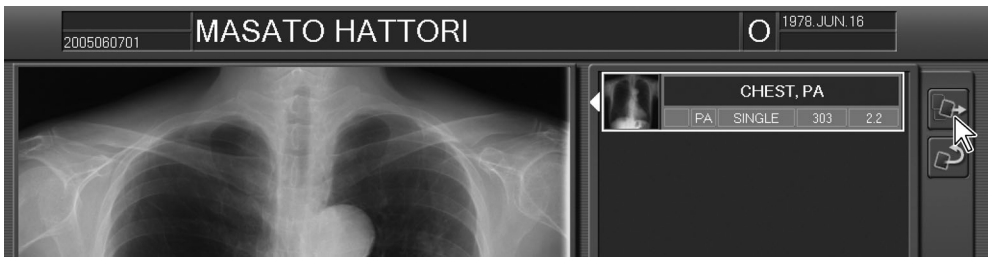
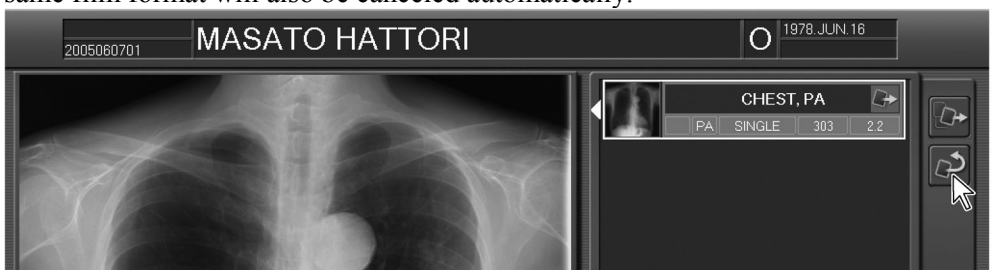
(4) Reserving distribution of images

Click .

appears in the list of displayed thumbnail images, determining thus image distribution reserved appropriately. For example, when one of the two images specified for “2on1” film format is reserved for image distribution, the other image specified for the same film format will also be reserved for image distribution automatically.



At the click of , image distribution thus reserved is canceled. When doing so, if reserved image distribution is canceled for one image, the other image that has been reserved for the same film format will also be canceled automatically.



(5) Distributing images

You can distribute images to the specified destination for distribution (printout), as follows.
Click .
If you wish to apply urgent image output processing, click .

A message like that shown below appears.
Click OK.

Console Confirmation [QR]
[54807] Images will be distributed one by one.
*The number of images currently reserved for printout (1 images) will be fully output according to the settings determined at the destination for distribution.
>Are you sure?
Cancel
OK

To cancel specified image distribution (printout), click Cancel.

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(6) Returning to the search window

Shut down the window where images are to be verified to return to the search window.

Click .

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